

Topics and questions

proposed for discussion at EPA

General theme: Shale gas exploration & production, and environmental safety

Motivation: Learn from US experience with shale gas, extend communication between Czech and US authorities, scientists, and companies in respect to future energy sources and balance of profit with public acceptance.

1. Current status of shale gas (SG) legislation
 - 1a. Changes in US legislation related to shale gas exploration & production during the past 5 years
 - 1b. Legislative limitations of SG activities
 - 1c. Legislative motivation to find and get more SG from federal / state authorities
 - 1d. Outlook – expected future changes in US legislation
2. Environmental impacts of SG - Water
 - 3a. Gas and pollutants in surface water streams and lakes
 - 3b. Pollution of ground water, drinking water resources, water wells
 - 3c. Radioactive substances mobilization and migration
 - 3d. Old burdens vs. shale gas installations
 - 3e. Monitoring, safety
3. Environmental impacts of SG – Air quality
 - 4a. Transport (heavy trucks) esp. in densely populated areas
 - 4b. Greenhouse gas budget (methane, CO₂)
 - 4c. Natural gas seapages vs. induced by fracking (?), gas surveys
 - 4d. Accidents, safety precautions
4. Envi – Seismicity
 - 5a. Natural vs. induced seismicity by fracking
 - 5b. Seismicity monitoring
5. Any other impacts of SG activities (unexpected, positive – new clean-up technologies?)

We wish and expect to discuss mentioned topics with various partners.

In case of interest we will be delighted to provide information about the situation with shale gas activities in the Czech Republic.

We look forward to meeting you soon and value your time devoted to our visit.
Best regards,

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